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Dated: March 19, 2007

Signature: /Gregory E. Stanton/  
(Gregory E. Stanton)

Docket No.: 06005/39537  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Gary K. Law et al.

Application No.: 10/656,005

Confirmation No.: 8163

Filed: September 5, 2003

Art Unit: 2179

For: STATE MACHINE FUNCTION BLOCK WITH  
A USER MODIFIABLE STATE TRANSITION  
CONFIGURATION DATABASE

Examiner: Henry Vuu

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated October 17, 2006, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 20 of this paper.